

Title (en)

METHOD AND APPARATUS FOR FAULT IDENTIFICATION IN A POWER TRANSMISSION LINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FEHLERIDENTIFIKATION IN EINER ENERGIEÜBERTRAGUNGSLEITUNG

Title (fr)

PROCEDE ET APPAREIL D' IDENTIFICATION DE DEFAILLANCE DANS UNE LIGNE DE TRANSMISSION ELECTRIQUE

Publication

EP 2319151 A4 20131225 (EN)

Application

EP 08800703 A 20080829

Priority

CN 2008072191 W 20080829

Abstract (en)

[origin: WO2010022559A1] A method and an apparatus identify fault in a transmission line. The method includes measuring at an end of the transmission line when the transmission line has a fault to obtain a measured signal g(t), comparing the measured signal g(t) with a predefined standard signal f(t) which having beat frequency characteristic, and identifying that the fault is a transient fault if the measured signal g(t) matches the predefined standard signal f(t) according to a result of the comparison, or the fault is a permanent fault if the measured signal g(t) does not match the predefined standard signal f(t) according to the result of the comparison.

IPC 8 full level

G01R 31/08 (2006.01); **H02H 3/06** (2006.01); **H02H 7/26** (2006.01)

CPC (source: EP US)

G01R 31/085 (2013.01 - EP US); **H02H 3/066** (2013.01 - EP US)

Citation (search report)

- [XA] YAOZHONG GE ET AL: "Prediction methods for preventing single-phase reclosing on permanent fault", IEEE TRANSACTIONS ON POWER DELIVERY, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 4, no. 1, 4 November 1987 (1987-11-04), pages 114 - 121, XP011479878, ISSN: 0885-8977, DOI: 10.1109/61.19197
- [XA] YAN XU ET AL: "Research on adaptive single-pole reclosing technique for EHV/UHV transmission lines", ELECTRIC UTILITY DEREGULATION AND RESTRUCTURING AND POWER TECHNOLOGIES, 2008. DRPT 2008. THIRD INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 6 April 2008 (2008-04-06), pages 1997 - 2002, XP031254183, ISBN: 978-7-900714-13-8
- [A] WANG ZENGPING ET AL: "Prediction Method for Preventing Reclosing on Permanent Fault of Shunt Compensated EHV/UHV Transmission Lines", 2006 IEEE POWER ENGINEERING SOCIETY GENERAL MEETING; 18-22 JUNE 2006; MONTREAL, QUE., CANADA, IEEE, PISCATAWAY, NJ, USA, 18 June 2006 (2006-06-18), pages 1 - 6, XP010943587, ISBN: 978-1-4244-0493-3
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US8744637B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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